

CLAIMS

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- 3 1. A cable retractor assembly, comprising:
- 4 an enclosure for housing a rotatable reel, the enclosure having a first side and an
- 5 opposing second side,
- 6 a biasing member coupled to the reel and the enclosure for urging the reel to rotate
- 7 in a predetermined direction,
- 8 a first plurality of terminals disposed on the first side of the enclosure, and a
- 9 second plurality of terminals disposed on the second side of the enclosure, the first
- 10 plurality of terminals electrically coupled to the second plurality of terminals.
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- 12 2. The cable retractor of claim 1, wherein the first plurality of terminals is
- 13 coupleable to a battery charger and the second plurality of terminals is coupleable to an
- 14 electronic device.
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- 16 3. The cable retractor of claim 2, wherein the electronic device is a wireless phone.
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- 18 4. The cable retractor of claim 3, wherein the wireless phone is a cellular phone.
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- 20 5. The cable retractor of claim 1, further comprising a length of cable having a first
- 21 end and a second end, the first end of the cable coupled to the rotatable reel and the
- 22 second end of the cable comprising a speaker.

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11. A portable communications device, comprising:

- a cable retractor for retracting a coupled cable onto a rotatable reel,
- a sensor for sensing rotation of the reel,
- a circuit for determining the presence of an incoming call,

1 a controller programmed to pick up the incoming call when the sensor senses
2 motion.

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4 12. The cable retractor of claim 11, wherein the sensor is a Hall effect sensor.

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6 13. The cable retractor of claim 11, wherein the sensor is an optical sensor.

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8 14. The cable retractor of claim 11, further comprising a speaker coupled to cable a
9 first spaced distance from the sensor.

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11 15. The cable retractor of claim 14, further comprising a microphone coupled to the
12 cable a second spaced distance from the sensor.

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14 16. A method for picking up an incoming call on a communications device,
15 comprising the steps of;

16 receiving a signal of an incoming call,

17 monitoring a motion sensor, and

18 picking up the incoming call when the sensor senses motion.

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20 17. The method of claim 16, wherein the communications device is a wireless phone.

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22 18. The method of claim 17, wherein the communications device is a cellular phone.

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1 25. The cable retractor assembly of claim 22, further comprising a terminal for
2 coupling the signal to the coupleable communications device.

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4 26. The cable retractor assembly of claim 22, further comprising a speaker coupled to
5 a cable for generating sound waves, the cable coupled to the reel.

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7 27. A portable communications device, comprising:
8 a communications circuit for sending and receiving wireless communications
9 signals,
10 a cable retractor assembly for retracting a coupled cable, the cable comprising a
11 first end and a second end, the first end coupled to the communications circuit and the
12 second end comprising a speaker, and
13 an enclosure for housing the communications circuit and the retractor.

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15 28. The portable communications device of claim 27, further comprising a
16 microphone coupled to the cable a spaced distance from the speaker.

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18 29. The portable communications device of claim 28, further comprising an enclosure
19 for housing the speaker and a microphone.

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21 30. A cable retraction assembly, comprising:
22 a reel rotatable about an axis for the winding and unwinding of a cable, the cable

1 having at least two electrical conductors,
2 a biasing member coupled to the reel for urging the reel to rotate in a first
3 direction; and
4 a force applicator for resisting winding and unwinding of the cable.

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6 31. The cable retraction assembly of claim 30, further comprising a speaker coupled
7 to the cable for generating sound waves.

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9 32. The cable retraction assembly of claim 31, further comprising a microphone
10 coupled to the cable for detecting sound waves.

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12 33. The cable retraction assembly of claim 30, wherein the enclosure is detachably
13 coupleable to an electronic device.

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15 34. The cable retraction assembly of claim 33, wherein the electronic device is a
16 portable communications device.

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18 35. A portable electronic device, comprising:
19 an electrical circuit capable of generating signals,
20 a cable having a first end and a second end, the first end coupled to the electrical
21 circuit,
22 a speaker disposed at the second end of the cable for converting the signals into

1 sound waves,

2 a cable retractor comprising a reel rotatable about an axis for the winding and

3 unwinding of the cable, the cable having at least two electrical conductor,

4 a biasing member coupled to the reel for urging the reel to rotate in a first

5 direction, and

6 a moveable force applicator for resisting winding and unwinding of the cable.

8 36. The portable electronic device of claim 35, further comprising a transceiver for

9 transmitting and receiving data.

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11 37. The portable electronic device of claim 36, wherein the transceiver operates at

12 radio frequencies.

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14 38. The portable electronic device of claim 35, further comprising a microphone

15 couple to the cable for detecting sound waves.

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17 39. The portable electronic device of claim 35, further comprising an enclosure for

18 housing the electrical circuit, the reel, the biasing member, the force applicator, and a

19 portion of the cable.

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21 40. The portable electronic device of claim 35, wherein the portable electronic device

22 is a selected one of a AM/FM radio, a CD player, an MP3 player, a cassette player, a

1 personal digital assistant, a computer, a cordless phone, a radio phone, and a cellular
2 phone.

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4 41. A cable retractor, comprising;

5 an enclosure mechanically coupleable to a portable electronic device,

6 a rotatable reel,

7 a biasing member secured to the enclosure and the reel to urge the reel to rotate in

8 a predetermined direction,

9 a length of cable having a first end and a second end, the first end coupled to the

10 reel and the second end having a speaker coupled thereto,

11 a plurality of terminals secured to the enclosure, the terminals electrically coupled

12 to the first end of the cable and electrically coupleable to the portable electronic device.

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14 42. The cable retractor of claim 41, further comprising a microphone couple to the

15 cable for detecting sound waves.

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17 43. The cable retractor of claim 41, wherein the portable electronic device is a

18 selected one of a AM/FM radio, a CD player, an MP3 player, a cassette player, a personal

19 digital assistant, a computer, a cordless phone, a radio phone, and a cellular phone.

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